Nanocrystals

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**Message from the Collection Editors**

This collection aims to promote transfer of scientific information concerning the chemistry and physics of low-dimensional nanocrystalline materials. Potential topics include, but are not limited to, synthetic approaches to nanocrystals, their surface engineering, the investigation of their chemical-physical, optical and nonlinear optical features, their application in optoelectronics, catalysis, energy conversion and storage, nanomedicine, (bio)sensors. Manuscripts dealing with DFT calculations of the low-dimensional structures, establishment of relation between the electronic and crystalline structures of nanocrystals and their final properties will be also welcomed.

The keywords are:

- Synthesis and characterization of nanocrystals
- Nanointerfaces
- Chemical modification of the nanosurfaces
- Optoelectronics features of the nanocrystals
- Laser induced properties of nanocrystals
- Nanophotonic materials
- Catalysis
- Energy conversion and storage
- Nanomedicine
- (Bio)Sensing

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